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WATER SUPPLY OUTLOOK
FOR
COLORADO AND NEW MEXICO

and FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

FEBRUARY 1, 1980



U.S. DEPARTMENT of AGRICULTURE * SOIL CONSERVATION SERVICE

Collaborating with

COLORADO STATE UNIVERSITY EXPERIMENT STATION
STATE ENGINEER of COLORADO
and STATE ENGINEER of NEW MEXICO

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PUBLIC MEETING RESULTS ON SNOW SURVEY PROGRAM

AS MOST OF THE RECIPIENTS OF THIS REPORT ARE AWARE, A SERIES OF PUBLIC PARTICIPITATION MEETINGS ON THE FUTURE OF THE SNOW SURVEY PROGRAM IN COLORADO AND NEW MEXICO HAS RECENTLY BEEN CONCLUCED. THESE MEETINGS, AS WELL AS SOLICITATIONS FOR WRITTEN COMMENTS FROM THE PUBLIC, WERE DIRECTED AT ANSWERING THE QUESTION "WHAT ALTERNATIVE INSTITUTIONAL ARRANGEMENTS COULD BE MADE FOR MAKING SNOW SURVEYS AND WATER SUPPLY FORECASTS?" SIMILAR MEETINGS WERE HELD SIMULTANEOUSLY IN OTHER WESTERN STATES TO GAIN THE PUBLIC'S VIEW AS TO THE MOST BENEFICIAL AND ECONOMICAL MANNER TO CONDUCT THE SNOW SURVEY PROGRAM.

FROM THE INPUT RECEIVED AT FOUR PUBLIC MEETINGS IN COLORADO AND ONE IN NEW MEXICO, AS WELL AS OVER A HUNOREO LETTERS AND RESOLUTIONS, A VERY STRONG SHOW OF SUPPORT FOR THE PROGRAM HAS BEEN VOICED. A CLEAR MAJORITY OF THOSE COMMENTING WERE IN FAVOR OF EXPANOING THE SNOW SURVEY PROGRAM INCLUDING BOTH THE MANUAL SYSTEM AND SNOTEL SYSTEM UNDER THE CONTINUED LEADERSHIP OF THE SOIL CONSERVATION SERVICE (SCS). THE REMAINDER OF THE COMMENTS FAVORED CONTINUING THE PROGRAM IN ITS PRESENT FORM WITH SCS AS THE LEAD AGENCY. IN NO INSTANCE WAS THERE A DESIRE EXPRESSED FOR A DISCONTINUANCE OF THE PROGRAM OR A TRANSFER OF PROGRAM FUNCTIONS TO NON-FEDERAL ENTITIES. MANY OF THOSE PARTICIPATING IN THE PUBLIC MEETINGS FELT, HOWEVER, THAT COOPERATORS SHOULD ASSUME A PROPORTIONATE SHARE OF THE COSTS FOR FUTURE PROGRAM EXPANSION.

THE ABOVE SUMMARY ALONG WITH THOSE FROM OTHER WESTERN STATES WILL BE COMBINEO AND A NEW PROPOSAL FOR CONDUCTING THE PROGRAM WILL BE PUBLISHED IN THE FEDERAL REGISTER OURING MAY, 1980. AT THAT TIME ADDITIONAL COMMENTS WILL BE INVITED FROM THE PUBLIC.

"The Conservation of Water begins with the Snow Survey"

SPICE STATES DEPARTMENT OF ACRICULTU
SOL CONSERVATION SERVICE
POOR SURVEY UNIT
PO BOI 17/0*
DENVER COLOPADO 80211
DIFFICIENT SERVICE
THE STATE OF ACRICULTU



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WATER SUPPLY CONDITIONS

as of

FEBRUARY 1, 1980

ABOVE NORMAL AMOUNTS OF PRECIPITATION IN MOST AREAS HAS SUBSTANTIALLY BOOSTEO
THE MOUNTAIN SNOWPACK IN BOTH COLORADO AND NEW MEXICO. THROUGHOUT BOTH STATES
SNOWPACK IS ABOVE AVERAGE. LOCALIZED AREAS HAVE RECEIVED EXTREMELY HEAVY
SNOWFALLS IN A SHORT PERIOD OF TIME. A GOOD EXAMPLE IS THE STORM WHICH PRODUCED
6.4" OF SNOW WATER EQUIVALENT AT THE UPPER SAN JUAN SNOTEL SITE ON WOLF CREEK
PASS IN THE PERIOD JANUARY 26-31. STREAMFLOW FORECASTS ARE ALL ABOVE NORMAL.
ALL FORECASTS ARE A JOINT EFFORT OF THE SOIL CONSERVATION SERVICE AND THE
NATIONAL WEATHER SERVICE.

NORMAL WITH THE EXCEPTION OF A FEW TRIBUTARY STREAMS WHICH ARE NEAR

AVERAGE. THESE FORECASTS REFLECT MOUNTAIN SNOWPACK CONDITIONS WHICH RANGE FROM

A LOW OF 118% OF AVERAGE IN THE GUNNISON BASIN TO 148% OF AVERAGE IN THE SOUTH

PLATTE BASIN. STORAGE IN IRRIGATION RESERVOIRS IS 112% OF NORMAL WHICH IS NEARLY

30% BETTER THAN THE SAME TIME A YEAR AGO. IF NEAR AVERAGE CONDITIONS OCCUR THE

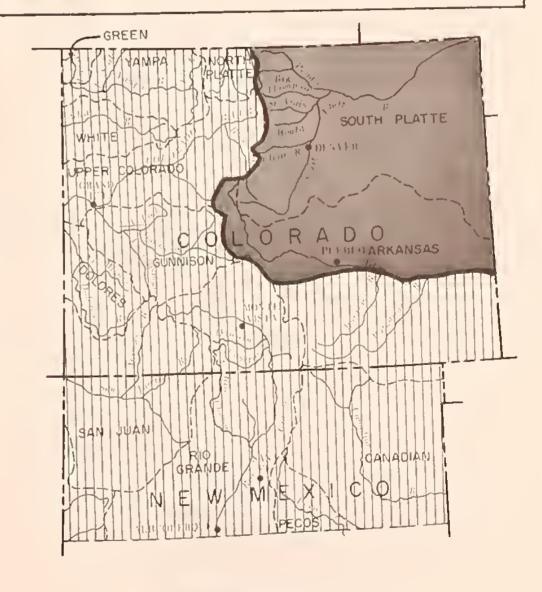
REMAINDER OF THE SEASON, A PLENTIFUL SUPPLY OF WATER IS ANTICIPATED.

NEW MEXICO -- ANOTHER YEAR OF COOD TO EXCELLENT WATER SUPPLY IS

FORECAST IN THE RIO GRANDE BASIN IF THE PRESENT PATTERN OF PRECIPITATION PERSISTS FOR SEVERAL MORE MONTHS. SNOWPACK IN THE RIO GRANDE BASIN IN

NEW MEXICO IS 125% OF NORMAL WHICH REFLECTS HEAVY JANUARY PRECIPITATION IN
HEADWATER AREAS EXCLUDING THE SANGRE DE CRISTO MOUNTAINS. SPRING SNOWMELT RUNOFF
IS PROJECTED TO BE 10-35% ABOVE NORMAL. THESE PROJECTIONS, WHEN COUPLED WITH
CARRYOVER RESERVOIR STORAGE WHICH IS NEARLY TWICE AVERAGE, REPRESENT A BRIGHT

PROSPECT FOR THE COMING YEAR,



STREAMFLOW FORECASTS
Percent of 1963-77 Average
Over 130%
110-130%
90-110%
70-90%
Under 70%



The map on this page indicates the most probable water supply as of the date of this seport. Estimates assume average conditions of snow tail, precipitation and other factors from this date to the end of the forenassume average conditions of snow tail, precipitation and other factors from this date to the end of the forenassume average conditions of snow tail, precipitation and other factors from this date to the end of the forenassume average accuracy of estimates improve a date of the end of the forenassume average. As the season progresses accuracy of estimates improve and may not indicate conditions on amail ply. Estimates apply to irrigated areas along the main streams and may not indicate conditions on amail tributaries.

SOUTH PLATTE RIVER WATERSHED IN COLORADO



YOUR WATER SUPPLY

MEANY PRECIPITATION DURING THE MONTH OF JANUARY HAS SUBSTANTIALLY IMPROVED THE MOUNTAIN SNOWPACK AND THUS THE PROSPECTS FOR A GOOD RUNOFF SEASON THIS STRING. STREAMS ALONG THE FRONT RANGE AND THE HEADWATERS OF THE SOUTH PLATTE ARE ALL EXPECTED TO PRODUCE FLOWS FROM 25 TO 35 PERCENT ABOVE NORMAL IF PRECIPITATION FOR THE REMAISDER OF THE SEASON IS NEAR AVERAGE. WITH SOIL MOISTURE IN GROPPING AREAS RATED AS GOOD AND RESERVOIR SHUTLIES ABOUT 15 PERCENT ABOVE NORMAL AN EXCELLENT OUTLOOK IS SEEN.

CDBC CAST DONE	Forest	", of Average	1963177 Proprese
Benr Groek at Moretsin	3.5	118	28.0
Hig Thompson River at Drake (1)	1.30	127	102.0
Boardon Greek at Oradell	60	133	45.1
Cache La Proudre River at Canyon Scott (2)	310	128	243.0
Clear Greek at Gelden (3)	160	133	120.0
St. Venta Greek an Lynns	9.5	133	71.6
Smith Plante River at South Platte	251	150	193.0

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STRI APERS AULA	\$1440.p 544) ii	f m) m 5 + + 3 + e5
toul trook	Exc.	Ave
North Fork of Shulli Platte	Exe .	i/vg,
North Fork of Carlie	Exc.	Avg.
Rilston Creek	Ext.	Avg.,
Rock Grook	Esc.	Avg.
South Platte from Greeley to Fort Mergan	Exc .	Avg.
South Plains from Fart Margan to Storting	Exc.	Avg.
South Platte Testow Sterling	Exc.	Avg.



RESERVOIR	STORAGE	(Thousand	Ac.	F()	10001	HONTH

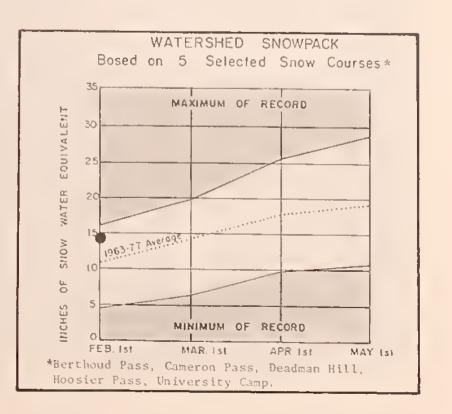
SERVOIR STORAGE (Thousand	Ac. FL) [ND 01	HONTH
Traduction of	Usable	D	Labiti Store	, ,
111 21 11 21 214	J. SUALIDA	(); ; T : 1	J 1) 9	(9+(-f) Asm)(1
	1			
Antiro	16	1.6	16	14
Barri Lotte	32	24	13	22
Blank Hollow	- 8	4	3	4
Boyd Lake	44	40	37	37
Carte La Poudre	10	1)	7	7
Carter Lake	1 09	89	90	81
Chambers Lake	9	6	4	3
Gliceanum	70	69	37	48
Cobb Lake	34	20	4	14
Eleven Mile	98	98	91	87
Emp Inte	38	15	15	23
Fossill Crook	12	5	5	7
Grown	6.3	2.2	19	28
Halligan	6	5	3	3
Howethoth	144	108	75	83
Jackson .	3,5	31	21	29
Juleslang	28	18	1.7	20
Lake Lavelant	14	10	8	9
Long Tree	0	- 8	1	6
Mariano	5	5	4	5
Marshall	10	6	3	4
Marston	1.7	16	15	15
MILLION	24	16	8	13
Point of Rocks	70	68	54	55
Prowitt	33	19	22	1.8
Riverside	58	34	31	44
Standley	4.2	40	27	21

SUMMARY of SHOW MEASUREMENTS

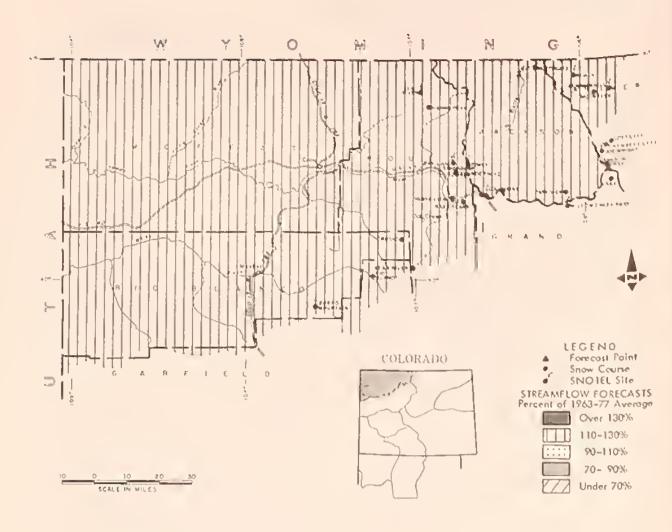
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45 4 A * 5 2 1 1	A 15 1911	11 124	99 1 11 A 4 191
Big Thompson	5	89	1.59
Boulder	5	123	163
Cache La Poudre	8	105	129
Clear Creek	5	140	154
Saint Vrain	2	125	247
South Platte	7	106	148

SHOW COURSE MEASUREMENTS

	DATE SHOW			ATER CO	DHIERT
SHOW COURSE	OF SURVEI	SHON DEPTH (INCHES)	CONTENT UNCHEST	115CH	
	1			LAST YEAR	AVG 6)-77
SOUTH PLATTE BASIN					
Boulder Creek					
Baltimore Boulder Falls	1/30	35	8.2	3.8	
Lake Eldora	1/28	44	11.3	10.6	7.2
University Camp	1/28	46 55	12.0	8.2	9.9
	1/20	35	15.2	15,0	717
Blg Thompson River					
Bear Lake	1/28	66	15.8	15.0	
Deer Ridge	1/27	26	5.2	5.2	2.9
Nidden Valley Lake Irene (B)	1/27	41	7.6	8.7	5.9
Long's l'eak	1/26	54	15.5	17.1	13.2
Two Mile	1/27	43	11.6	13.8	8.3
Willow Park	NS			14.8	
Cache La Poudre					
Bennett Creek	1/30	70	D		1 0
Big South	1/30	39 21	8.5	6.5 2.8	4.8
Cameron Pass	2/01	66	19.5	18.2	17.8
Chambers Lake	1/31	36	9.2	9.3	5.9
Deadman IIIII	2/1)2	50	12.1)	12.2	9.9
Hourglass Lake Joe Wright		chedule			
Lost Lake	2/01 2/02	61	16.8	16.6	15.3
Red Feather	1/30	36	8,2	5.1	7.5
Clear Creek					
Baltimore (B)	1/30	35	8.2	3.8	4.2
Berthoud Falls	1/30	56	14.2	10.0	
Empire	1/30	34	7.8	5.4	4.2
Grizzly Peak (B)	1/30	56	13.1	11.2	
Loveland Pass	1/30	52	13.2	10.1	9.3
St. Vrain River					
Copeland Lake	2/01	34	8.0	6.2	2.7
Ward	1/28	27	6.8	5.6	3.3
Wild Basin				11.2	6.8
South Platte River					
Bison Reservoir	2/01	23	5.5	2.4	
Gomo	1/28	23	5.5	6.7	4.4
Geneva Park	1/30	22	4.1	3.4	2.7
Horseshoe Mountain	1/30	40	10.0	9.2	6.4
Hoosier Pass	1/29	37	11.1	9.5	7.7
Jefferson Creek Musquito	1/28	31	7.8	7.6	5.7
Viwot	1/29	38	10.1	9.0	6.3
Trout Creek Pass	1/31	24	5.8	6.0	3.5



YAMPA, WHITE AND NORTH PLATTE RIVER WATERSHEDS IN COLORADO



YOUR WATER SUPPLY

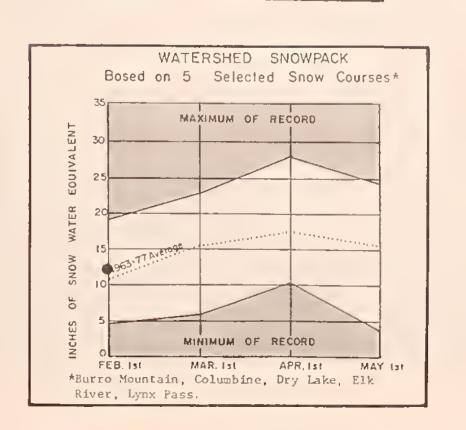
SNOW COURSE MEASUREMENTS TAKEN IN THE LAST WEEK OF JANUARY INDICATE SNOWPACKS IN THE YAMPA, WHITE AND NORTH PLATTE DRAINAGES ARE GENERALLY ABOVE AVERAGE. SNOWSTORMS HAVE HAD MORE EFFECT ON THE AREA NEAR THE CONTINENTAL DIVIDE THEN TO THE WEST. THE LARAMIE AND NORTH PLATTE DRAINAGES ARE 130-140% OF NORMAL, WHILE THE WHITE IS ONLY SLIGHTLY ABOVE AVERAGE AT 103% OF NORMAL. SOIL MOISTURE CONDITIONS ARE GENERALLY FAIR.

STREAMFLOW FORECASTS (1000 Ac. Ft.) April - September

FORECAST POINT	Foreenst	% of Average	1963-77 Avelage
Elk River at Clark Laramie River near Woods Little Snake River at Lily North Platte River at Northgate White River near Meeker Yampa River near Maybell Yampa River at Steamboat Springs	230	116	198.0
	144	115	125.0
	400	115	349.0
	286	120	238.0
	300	105	287.0
	1025	113	905.0
	300	110	273.0

WATER SUPPLY OUTLOOK Expressed as "Poor, Fair, Average Ex-

	Flam Perrod		
STREAM OF AREA	Spling Seeson	L are Seeson	
Canadian River Hunt Creek Illinois River Michigan River Oak Creek Trout Creek	Avg. Avg. Avg. Avg. Avg. Avg.	Fair Fair Fair Fair Fair Fair	



SUMMARY of SNOW MEASUREMENTS

MINT N CARNIN	Number of Court as	THIS JE SA R TAR	AR 5 SNOA PERCENT OF
NO WATERSHIP	Averaged	5, 111.1 (811	1961 27 Acres
Elk	2	87	112
Laramic	2	100	131
North Platte	5	1.18	141
Whiter	2	86	103
Vampa	6	98	1.26

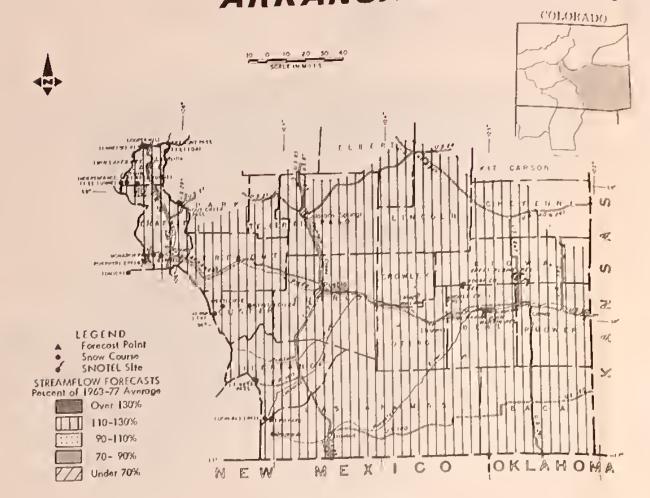
SNOW COURSE MEASUREMENTS

	CURRENT INFORMATION		ATION		AL COAD	
NO# COURT	0.411	MOTO DEPTO DECDES	MATER CONTENT (INCIDES)	HATER CO	MTENT	
	208411	thich is	(MCDTS)	LAST	AVG 73-77	
NORTH PLATTE BASIN Laramle River	ì					
Demlmin RIII McIntyre Rough	2/02 Not Si 1/30	50 the du1r 66	12.0 d 16.0	12.2	9. 11.	
North Platte River						
Cameron Fass Columbiae Lodge Northgate Park View Willow Cr. Pans (B)	2/01 1/29 1/31 1/31 1/31	66 61 31 36 88	19.5 14.7 5.7 6.5 24.0	18,2 19,4 4,0 7,5 10,8	16, 4, 6,	
YAMPA BASIN						
EIR RIVEY						
Elk River Huhu ^r n Penk	1/28 1/28	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	12.5	14.6	h .	
White River						
Hurro Mauntaln Rio Blunen	1/31 1/30	46 45	10.1	12.5		
Yampa River						
Bear River Columbine (B) Cviolin Bry tarke Lynx Fann (W) Rufd-H. Eurn Tower Yampu View	NS 1/29 NS 1/30 1/29 1/2 1/30 1/29	$ \begin{array}{c c} & \\ & 61 \\ & 41 \\ & 66 \\ & 115 \\ \end{array} $	14.7 14.7 8.5 16.3 32.0 12.0	17,0 8,7 18, 39,	14 317 317 319 1130	

(Bloom additional Irabitage,



ARKANSAS RIVER WATERSHED IN COLORADO



YOUR WATER SUPPLY

THE HEADWATERS OF THE ARKANSAS BENEFITED THE MOST FROM TWO HEAVY STORM PERIODS

DURING THE FIRST AND LAST WEEKS OF JANUARY. SHOWPACK ABOVE SALIDA IS NOW 127%

OF AVERAGE WHICH REPRESENTS ABOUT 60% OF THE SEASON'S NORMAL MAXIMUM ACCUMULATION.

STREAMFLOW ON THE ARKANSAS RIVER IS FORECAST 25-40% ABOVE NORMAL. TRIBUTARIES TO

THE ARKANSAS INCLIDING THE PURGATOLRE, HUERFAND AND CUCHARAS ARE FORECAST TO FLOW

LESS THAN THE ARRANSAS MAINSTEW DUE TO A SOMEWHAT LOWER SNOWPACK. RESERVOIR

STORAGE REMAINS LESS THAN HALF OF NORMAL.

STREAMFLOW FORECASTS (1000 Ac, F1.) April - September

FORECAST POINT	Potecast	% of Average	(963d) Averyl
Arkanana River near Paeblo (1) Arkanana River at Salida (2) Cucharas River near la Veta Huerlano River near Redwing Purgatolro River at Trinidad (3)	364	139	26: 0
	365	126	288: 0
	11	121	9: 1
	14	104	13: 4
	38	116	12: 8

Ald Plan things to stange to Fueble Asserts. 121 Observed flow plan shonge to Clinic Costs, Total ests and Targeotss. Tages of the Letter and Targeotss about Algorithms of the Costs of the Costs of Hannils and the costs of the

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RESERVOIR STORAGE	(Thousand	Ac. Et.)	Little OI	100 10	
Harin of Misem	Histoli	thrable Storage			
III (1) I AOID	1 apail)	I full Year	1 0 0 1	190:1-74 At+1+1*	
Adabe	62	0	0	12	
Clear Greek	111	6	1	7	
Cacharus	40	0	0	1	
Grent Pinion	150	0	0	35	
Horne Greek	27	7	()	5	
John Martin	62 E	22	3	52	
Meredith	42	0	0	10	
Model	15	0	0	1	
Puchlo	351	43	29	-	
	1 101	79.3	7.1	9.0	

Twin Lakes

	Flaw Pi	
A.IRA m MA JIITZ	Spring Season	1, a1 a 3 + B) On
A John Dine	avg.	Fair
pishapa River omtain Cre≅k	Exc.	Avg.
rape Creek	Avg.	Fair
ardmerabble Creek	Avg.	Fair
onument Creek	lixe.	Avg.

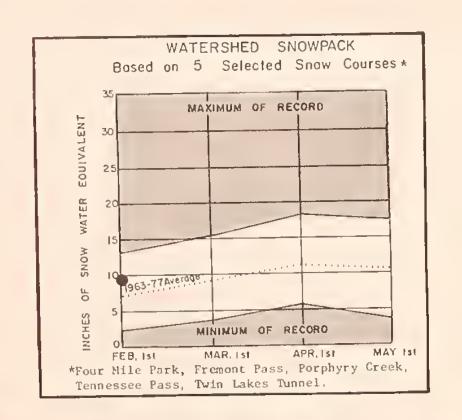


Arkansas 11 81 127 Cucharas 2 80 120 Purgatoire 1 111 120

SUMMARY OF SHOW MEASUREMENTS

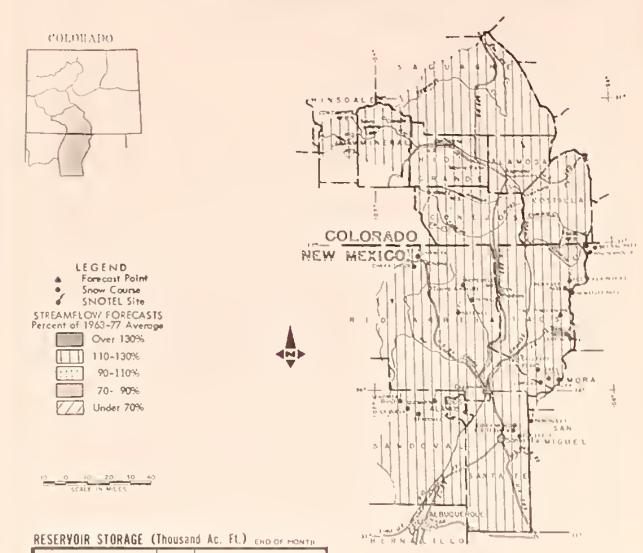
IOW COURSE MEASUREMENTS	CURP	ENTINEDAM	ATION	PAST RE	040
	DATE	SHOR	MATER	HATER CONTENT	
SNON COURSE	SURVEY	DEPTH	CONTENT	LAST	AVG 61:17
ARKANSAS BASIN Arkansas River					
Bigelow Divide Brumley Cooper Hill (B) East Fork Four Mile Park Fremont Pass Garfield Hermit take Monarch Pass South Colony Tennessee Pass Twin Lakes Tunnel Westeliffe	1/30 1/29 1/25 1/29 1/29 1/31 1/29 1/31 1/29 1/29 2/01 1/29	26 38 33 33 23 49 48 28 54 50 36 41 21	6.2 8.9 7.9 8.2 4.5 13.3 11.8 6.0 13.1 12.8 7.6 9.8 5.4	5.7 9.3 7.6 7.1 10.8 13.7 13.4 16.6 27.4 9.0 11.7 10.9	4.9 6.9 6.1 3.9 9.6 8.6 6.4 10.1 6.3 5.5
Cucharas River Apishapa Cucharas Creek La Veta Pass (B) Purgatoire River Bourbon Whiskey Creek	1/30 1/30 1/28 1/29 1/29	24 28 26 28 31	6.7 6.6 6.4 5.9 6.5	6.0 6.6 10.3 7.8	5.9

75-No eurvey. (B)-On adjacent drainage.





RIO GRANDE WATERSHED IN COLORADO AND NEW MEXICO



Batin of Stream	UI e bl e	U	Uroble Storage			
RESERVOIR	Caracin	Hiri Teer	(101 001	1961 77 Ai + (4)		
COLORADO						
Continental	27	6	6	4		
Platoro	75	31.	14	9		
Rio Grande	51	40	1.0	16		
Sanchez	103	-	6	10		
Santa Marla	45	1.2	6	6		
Terrace	1.8	-	1	6		
NEW MEXICO						
	ate.					

- 1			
	4 9		STRI AM to ARI A
	16		COLORADO
	6		Sangre de Cristi
	6		Trinchera Creek
	3		NEW HEXTCO
	40		Embrido Creek
	134		Mora River
	31 405	ļ	Nambe Greek
	14		Rio Ojo Callanti Santa Fe Creek
	59		Dairen Te Oreix

WATER SUPPLY OUTLOOK | Selection of the Assessed of Assessed to Hard Mark Assessed to Hard Mark

AVS -

Avg. Falr

Avg. Fair

Avg. Fair

Avg. Entr

Avg. Fair

YOUR WATER SUPPLY

JANUARY BROUGHT HEAVY PRECIPITATION TO MOST AREAS OF THE RIO CRANDE WATERSHEI
IN COLORADO AND NEW MEXICO. A GOOD EXAMPLE OF THE INTENSITY OF THE STORMS DURING
THE LATTER PART OF JANUARY IS THE 6.4" OF SNOW WATER EQUIVALENT RECORDED AT THE
UPPER SAN JUAN SNOTEL SITE ON WOLF CREEK PASS BETWEEN JANUARY 26-31. SNOWPACK IS
NOW 130% OF NORMAL IN THE RIO CRANDE BASIN IN COLORADO AND 122% OF NORMAL IN THE
RIO GRANDE IN NEW MEXICO. AREAL SNOWGOVER 1S 86%.

WATER SUPPLIES ARE ANTICIPATED TO BE NEAR 20% ABOVE AVERAGE ON THE MAINSTEM OF THE RIO GRANDE IN COLORADO. IN NEW MEXICO THE MAINSTEM OF THE RIO GRANDE IS FORECAST 25-35% ABOVE NORMAL.

RESERVOIR STORAGE IS EXCELLENT IN BOTH COLORADO AND NEW MEXICO.

STREAMFLOW FORECASTS (1000 Ac. Ft.)

FORECANT POINT	Emecasi	*4 iit Average	196) -77 Avetage
COLORADO (April-September)			
Alamona Greek above Terrace Repervote	80	126	63.6
Comejos River nem Magazo (1)	2.10	136	183.0
Cultibra Creek at San Luty (2)	1.7	11.1	15.3
La Jura Greek near Capulin	8	105	7 i b
Los Pines River near Ortiz	67	109	(d , 3
Rio Grande at Thirty Mile Bridge (3)	140	1.E8	119.0
Rio Grande near Del Neite (3)	500	121	462.0
Sagnardor Creek near Sugnardor	32	106	10.1
San Antonio River at Ortic	14	115	12,2
South Fork of Rio Grande at South Fork Trinchero Water Supply (April-Anly) (6)	140	126	0,011 21,0
NEW HEXTON (March-July)	* /	7 (1	
Cost III a Grook at Cost III a (4)	17	110	15.4
Jemes River near Jemes	h 0	1.10	33.3
Peron River at Peron	44	110	38.1
Red River at 45mth	30	110	17.7
Rio Chuma at El Vurbo	2.10	1.10	177.0
Rhy Country at Occasi (5)	(c.l. (i	154	497.0
Rlo Grande at Sam Marcial (%)	443	135	3.35.0
Rtic Bouda near Vobles	14	109	12.8
Rio Predicto de Vaus neser Saus	.10	165	19,0
Santa Great River of Complyo	12	103	11.6

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SUMMARY OF SHOW MEASUREMENTS

Elephant Butte 2195 938

Caballo

Conchas

El Vado

McMillan

RIVER BASIN	hu-ber of	TRIS ET AILS SNOW MALER AS PERCENT OF		
HUELWATERSHED	Actioned	1, 411 7 9 11	1961-27 Acorogo	
COLORADO				
Alamosa	1	42	87 160	
Conejos Culebra	4	66 54	109	
Rio Grande, CO	12	55	130	

CURRENT INFORMATION PAST AT CURD

SHOW COURSE MEASUREMENTS

		HI HI UNO			
	DATE	SHOP	WALLE CONTINE	RATER CO	NTI NT
SHOR COURSE	SURVEY	DEPTH (INCHES)	ONCOLSI	LAST TEAR	AVG 41-11
RIO GRANDE BASIN-COLO. Alamosa River Lily Pond Silver Lakes	NS 1/29	 24	3.4	8.1	3.9
Conejos River Cumbres Pass Cumbres Trestle La Manga Pinos Mill Platoro River Springs	2/04 2/04 2/04 NS NS	72 89 63 schedul	21.3 23.8 16.6 	29.4 29.5 25.2 25.7	13.1 14.3 11.1 11.2 4.5
Culebra River Brown Cabin Culebra La Veta Pass (B) Trinchera (B)	1/31 1/28 1/28 1/29	24 30 26 27	6.2 6.0 6.4 5.9	12.4 12.9 10.3 9.8	4.6 5.8 5.9 6.2
Rio Grande Big Meadows Cochetopa Pass Crayback Hiway Lake Humphrey Love Lake Middle Creek Pass Creek Pool Table Porcupine Santa Maria Upper Rio Grande Wolf Creek Pass Wolf Cr. Summit (B)	1/28 1/28 1/31 1/28 1/30 1/30 1/31 1/30 1/28 1/30 1/31 1/31	17 34 86 28 40 73 58 24 30 21 41 88 95	3.9 7.5 22.6 5.3 7.9 17.1 14.3 4.1 6.5 3.8 9.3 24.0 24.7	23.5 7.3 20.9 34.4 14.3 16.9 31.3 21.4 10.4 16.2 10.7 14.9 36.1 38.6	3.6 9.1 15.6 4.7 5.2 8.7 4.1 6.9 3.3 5.6 17.9

WATERSHED SNOWPACK

Based on 5 Selected Snaw Courses *
Rio Grande Basin, Colorado

MAXUMUM OF RECORD

MAXUMUM OF RECORD

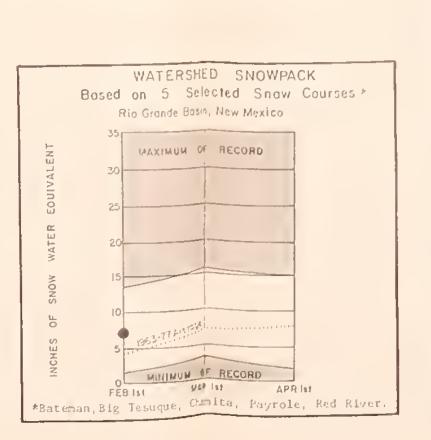
MINIMUM OF RECORD

MINIMUM OF RECORD

MEEB, CI MOR IST APR IST MAY 1ST

*Cumbres Pasts, La Veta Pasts, Silver Lakes, Upper

Rio Grande, Wolf Creek Pann.



SUMMARY OF SHOW MEASUREMENTS

1115]); [U ()) 1 J (1 () 0 4 7 (6 d ()) 1	1), a 1 1 1+1 1 1-111	94 (n 4/) 44 (n 4/) 111 11 4	
NEW MEXICO			
Porton	1	40	126
Reif RIver	2	4.3	109
R.Do. Channa	3	78	167
RDs Crimbs, 388	12	61	122

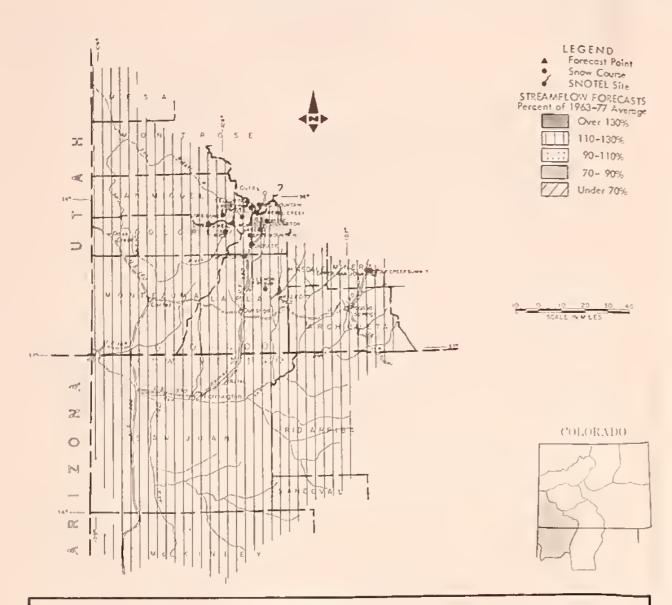
SHOW COURSE MEASUREMENTS

Sign Critett	Sun yi i	14 i i in put iii 31	THE TIME	1/41	49h 61-11
RIO GRANDI, NASTR NA		-			
Prenn RIver					
Page True La	1/31	16	5,4	8.6	2.7
Bod Rivor					
Herarite Park (8)	1/30	16	2.6	8.0	2.8
Roll River	1/30	23	4.9	9.6	4,1
R.D. Chair i					
Bato win	2/02	1	11.2	13.6	6,5
Chumi D1v1bb	1/29	24	5.2	7.0	2.8
Chamlin	1/29	33	8./	11.4	5.7
Rlo Grande					
Alomitou	1/28	2.0	4.1	7.3	3.3
Bernel Traff (B)	88				4.0
Bla Tesupe	1/29	14	3.8	8.5	1
Coritovii	HS 1/29	7	1.6	5,0	2.7
ETR Calclu Gaffegau Peak	1/30	34	7.4	7.5	
Retingen i i ion	1/28	46	Liiż	18.8	9.6
La Guevii	1/28	25	6.4	8.2	4.4
Barth Cast Hla	1/29	17	3,4	6,4	
Palo	1./30	34	6.4	7.2	5.5
Payrole	1/28	28	6.3	11.4	5.3
Quemazon				13.2	5,1
Rio En Medio	1/29		7.1	11.5	5.9
Sum du Lando Stab	1/28		4.9	11.7	3.2
Sandoval	1/30		5.6	8,2 10,7	5.5
SumarIta Divide	1/30		8, L 3, 3	6.8	3.2
Taon Canyon	1/30		3.8	7.2	3.5
Tres Ribus	1/28	14	7.0	7.2	3,7
RIo Ilondo					
Taos Powderhorn	1/25	60	18.4	30.3	

M.No survey. (B).On Alfanist drainage.

NG-No aurory. (8)-om miljäärnt ilminage.

SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN WATERSHEDS IN COLORADO AND NEW MEXICO



YOUR WATER SUPPLY

SNOW SURVEYS TAKEN FOR THIS REPORT INDICATE SNOWPACKS IN THE ANIMAS, SAN MIGUEL AND DOLORES RIVER WATERSHEDS ARE ABOVE AVERAGE WITH THE SAN JUAN RIVER MUCH ABOVE AVERAGE. ACCUMULATIONS ARE STILL BELOW LAST YEAR'S RECORD BUT WATER SUPPLIES SHOULD BE EXCELLENT. RESERVOIR STORAGE IN THE AREA IS GOOD WITH MOST RESERVOIRS REPORTING NEAR AVERAGE OR ABOVE AVERAGE. SOIL MOISTURE IS GOOD IN THE ANIMAS DRAINAGE AND FAIR IN THE SAN MIGUEL AND DOLORES DRAINAGES.

CTDEAMELOW EDDEPACTS (1000 to Et) a st c . .

FORECAST POINT	Forecast	% of Average	1963-77 Average	
Animas River at Durango	530	125	425.0	
Dolores River at Dolores	280	120	233.0	
a Plata River at Hesperus	30	128	23.	
os Pinos River at Bayfield (1)	255	125	204.	
tancos River near Towac (2)	24	110	21.	
inflow to Navajo River (1 & 3)	810	133	608.	
iedra Creek at Arboles	260	129	201.	
San Juan River at Carracas	480	130	370.	
San Miguel River at Placerville	140	113	124.	

(II) Observed flow plus change in escrope in Tolliesto Bergerose. (2) March-July. (3) April-July.

WEETER ANDREW AND BANK PROPERTY 33 TROOP, Fair, April E.

	Flow Period		
STREAM of AREA	Spling Season	Lote Season	
Florida River Hermosa Creek West Dolores River Williams Creek	Exc Exc Exc Exc	Exc Avg Avg Avg	

RESERVOIR STORAGE (Thousand Ac. Fl.) END OF MONTH

	_	₹	
Capacity	Year	E ANI Year	1963-77 Average
22	9	9	10
10	1	2	5
40	19	8	18
1696	1157	1183	729
126	44	37	54
	22 10 40 1696	22 9 10 1 40 19 1696 1157	22 9 9 10 1 2 40 19 8 1696 1157 1183

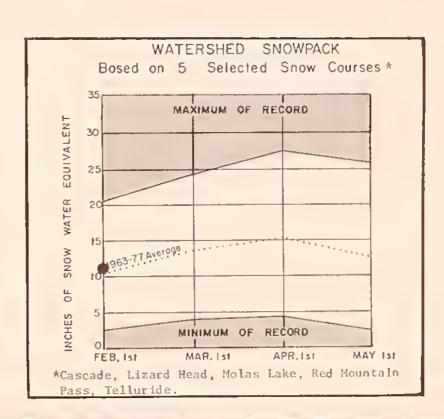
SUMMARY of SHOW MEASUREMENTS

F VER BASIN Animas Dolores 69 118 San Juan 67 141

MOKS	42911000	MEAGI	REMENTS
241.00.11	CAAICA		

SHOW COURSE MEASUREMENTS	CUAR	CURRENT INFORMATION		PAST RECORD	
SHOR COURSE	DATE OF SURVEY	SNOR DEPTH (INCHES)	MATER CONTENT (INCHES)	HATER CO	ANG 43-77
SAN JUAN-DOLORES BASIN Animas River					
Cascade Lemon Nineral Creek Molas Lake Purgatory Red Mt. Pass (B) Silverton Sub-Sta. Spud Mountain	1/28 2/01 1/28 1/28 1/29 1/28 1/28 1/28	47 52 45 44 78 66 28 70	11,6 12.5 11.1 9.8 18.3 18.3 6.4 17.9	19.5 17.4 18.9 17.9 31.8 29.5 12.6 27.1	8.6 6.3 9.9 9.0 13.9 18.9 6.2 15.5
Dolores River Groundhog Houser Camp Lizard Head Lone Cone Ophir Loop Rico Lizard Head Pass Telluride Trout Lake	1/27 Not S 1/24 1/30 1/28 1/24 1/24 1/28 1/28	34 chedulo 50 55 41 38 50 24 43	9.3 1d 11.6 13.4 10.0 9.4 11.6 4.7 10.7	15.6 18.3 18.6 17.4 9.6 17.2 9.8 15.1	10.8 11.2 5.8 5.3 9.0
San Juan River Chama Divide (B) Chamita (B) La Plata Mancos T-Down Upper San Juan Wolf Cr. Pass (B) Wolf Cr. Summit	1/29 1/29 1/31 1/28 1/30 1/31 1/31	24 33 84 54 111 88 95	5.2 8.7 24.2 15.3 28.0 24.0 24.7	7.0 11.4 23.0 20.5 42.2 36.1 38.6	2.8 5.7 19.5 17.9 18.5

#5-110 number. (B)-On adjacent drainage.



WATER SUPPLY OUTLOOK BY MAJOR WATERSHED AREAS

-GUNNISON RIVER WATERSHED

Describes water supply conditions in Delta, Gunnison, Cimarron, Shavano, and Uncompangre Soil Conservation Districts.

-COLORADO RIVER WATERSHED

Describe water supply conditions in DeBeque, Ploteau Volley, Mesa, Bookcliff, Eagle County, Middle Pork, South Side, and Mt. Sopris Soil Conservation Districts.

-SOUTH PLATTE RIVER WATERSHED

Describes water supply conditions in Fort Collins, Big Thompson, Longmont, Boulder Valley, Jefferson, Teller-Pork, Douglos County, Morgan, Kiowa, West Arapahoe, West Adams, Eost Adams, Plotte Valley, Southeast Weld, and West Greeley Soil Conservation Districts. Also describes water supply conditions in Sedgwick, South Plotte, Hoxton, Peetz, Podroni, Morgan, Rock Creek, and Yuma Sail Conservation Districts.

-YAMPA, WHITE AND NORTH PLATTE RIVERS WATERSHED

Describes water supply conditions in Yompa, Moffat, West Routt, East Routt, North Pork, White River, and Douglas Creek Sail Conservation Districts.

-ARKANSAS RIVER WATERSHED

Describes water supply conditions in Lake County, Upper Arkonsas, Fremont, Custer County Divide, Fountain Volley, Block Squirrel, Central Colorado, Turkey Creek, South Pueblo, Olney Bane, Cheyenne, Upper Huerfono, Spanish Peaks, Purgatoire River, Trinchero, Western Baca, Southeostern Baco, Two Buttes, Bent, Timpas, Notheost Prowers, Prowers, Kiowo County, West Otero, East Otera, Prairie, Hi Plains, and Double El Sail Conservation

-RIO GRANDE WATERSHED

Describes water supply conditions in Rio Grande, Center, Conelos, Mosca Hooper, and Costillo, Sail Conservation Districts. Also describes water supply conditions in UpperChama East Rio Arriba, Toos, Lindrith, Jemez, Santa Fe-Pojoaque, Sandavol, Tijeras, Cuba and Edgewood Sail Conservation Districts.

-DOLORES, SAN JUAN, AND ANIMAS RIVERS WATERSHED

Describes water supply conditions in San Miguel Basin, Dove Creek, Dolores, Mancos, LaPloto, Pine River, San Juan, San Miguel Basin, and Glode Park Sail Conservation Districts.

